Aviation Tevs MGRAW-HILL PUBLISHING COMPANY, INC. AUG. 13, 1945



The Harpone—Navy Land-Based Bomber: Lockheed Aircraft Corp. is now building the twin engine PY2-4 Harpon bomber, a Navy-desipned version of the company's Ventura PV-1. The Harpon is called a substantial improvement over the Ventura, which was an older AAF plane. In outward appearance the two planes are very similar, but increased firepower is evident on the Harpoon. (Story on page 18).

Army, Navy Act to End Post-War Buying Ban Attorney General asked for interpretation of Re-

'Atomic' Aircraft Developments Seen Far - Off Entire aviation field re-assessing propulsion

Drastic NATA Remodeling Tightens Statements

Flight Instruction Experiments Point New Techniques

Services Slashing Schedules

Both Army and Navy are preparing to slash aircraft schedules with ledgraphic notification to contractors expected at any time. The Navy, which has been receiving over 2,000 planes out of the national monthly average output of approximately 5,000, probably will cut its September goal to less than 400. Its October, November and December schedules will drop progressively to 300.

Under schedules previously effective, aircraft production for both services was to remain at a level close to 5.000.

▶ AAF Program—Plans of the AAF are not as far along as the Navy program, but Washington officials expect its decreases to be at least as drastic as the Navy's. General Motors is expected to be out of aircraft production within 60 days.

The Navy under its new schedules probably will seek further deliveries of only 7 or 8 models, including the PB4Y-2, the FR-1, TBM, PBY-6A, R5D, F7F, F8F, and PBM-5, plus some experimental planes.



Walter Kidde & Company, Inc. . 140 Cedar Street, New York 6, N. Y.



is recovered to civilian production when they ment award plants which are tooled up for producing the types of planes needed by sixaward plants can be purchased under Surplus Property Board Regulation 6, but this does not



AAF TO AID-Government riveles say that officials my they are now drawns up a revision of Roy, 4. Plush Coo. now SPB general others are seeking civilian-type polo with postwar provine. Result is that plants getting orders for emergency production and modification are hard put for labor.

PLANT DISPOSAL - Another regulation. number 10, on what disposal is being elected lated in SPR for comment and evolute. Finubed version may be different from numeral age, thus a relationer at SPE to discuss it Another factor in SPB accenticement on this possitionables are on record to the extent that makes such setion overdue, in the openion of

MILITARY AIRPORT DISPOSAL-Pressure is increasing reputhly on Arres and Navy of-Scials from memorpalities to make decisions on Congress to decide first on the size of sur peace-time military unachine. As far as can be to support is being given attention by no top officeals to Washinston.

WER ATROPATE DIVISION -- D seems likely

LABOR AID FOR PLANE PLANTS-Aircraft Production Board is soloing WMC to give special manpower samplance to ceptals entired alremit plants. Several Navy facilities are on the urrest list. This action follows correlaints the West Coast, that they were having difficulty cetting workers with certain skills. Although thousands of alreraft workers have been high off due to cuthocks, few highly-skilled men have been released Many of those released have disappeared from the labor market and

AVIATION NEWS + Aurus; 13, 1945

WASHINGTON OBSERVER - 3



Permoflux Speakers and Transformers Set New Standards of Comparison!

New Personalities, unsubstrate in a correctate record of transference and sizes from 2" to 15", with power handling copectors from 1 to 20 Parmaface midwel boundarmore, with their many procticed circuit egolicolons, here librally aveletionized efficiency concepts where aire and waight are determining feature.

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AVIATION NEWS

C SCOTT HUNDRY Monarier Editor Many Particus Peters IF at Assessing SCHOOL BOSES ... Parify Coar Editor

KARL HEST Copy Editor Desires Mallann And Diversor Assaul B. Manue. . . Saler Manager

Washington imidees are betting heavily against AVIATION NEWS # August 13, 1965

Jap fighter opposition. Too, heavier types, each

as dive bembers, might be zeeded for demo-

is. S. C., to Detroit, and urmur a certificate to

With purchase of Victory Aircraft Ltd., Toronto,

Industry officials say a four-engined light bomb

Although McDonnell Arresult Corp. has not been figuring in the headleses as a producer of complete

b Gleen L. Martin disclaras recent Marriand re-

The recently assuranced constitute of 25-17 pro-

Ferriment through the rest of the year and 1944.

crin compress aspects. When the surgest senson

The long-awaited Great

Vashington Observer

might have come sooner if rockets had not given

None of the petations finds legal faults in the de-cision which granted services to PAA, TWA, and CAB can act in such a way on a decision which solved in the near future, probably merging with

h Although Lockbood's "third engineer, Hall Hillsmen that Lockhood has definite plans for such a

k Even though the war should end soon, there is has has been unexcolled for yourse, utility and Additional facilities costing more than \$255,930

ore planned for Douglas California plants to as-

> Freespe in promising deliverers of demonstrature

ricels U. S Westher Buress, Arrey, CAA, and Over half of the B-lds called for under present-

North American Assistant for the first time in its battery will have a capplifate to enter in the four-

\$A revengined medium bomber is a pronoud INDUSTRY OBSERVER --- S

the Navy have prepared budget perchasing which will be submitted to Congress possipity of

Hasrever, the latest move may

anxious as the approach industry

It is believed the removal to the

is in Section 202 study, a closure

can be continued if "the Office of

Army, Navy Act To End Ban On Post-War Aircraft Buying Attorney General asked for interpretation of Reconversion

Act provision looked upon as industry 'death warrant'; strict application would halt development, stymie military orders for nearly two years.

The aircraft industry's imme-Artims at the recreek of the

new director of the Office of War) 'Kölleg' Clouse-So sweeping are the reconditions or that pertion that industry has long regarded it practically as a death

Under strict interpretation, it would not only out short all rethe military services—once the war was over-it might even milligate against any mulatary

This view is shared in large exscientific leaders, which has warned that military procurement

NPA Plea-In its report, NPA seemenged that, in view of Section 900 all government agencies continued program of military recentties cone. It is beened

AVIATION NEWS & Assess 18, 1905

PT Sales Drop

In mikition to the sale of 47

* "Menedic" within province feet III.



P-80. BULLET WITH WINGS



tion 202 . . should be interpreted

George P. Bukur, AAF, Fixeretive War-The other posable recourse from the effects of under Presidential directive, dequest was still pending in the

However, if the Attorney Gen-

AVIATION CALENDAR

Ont 2.5 - Institute of Acromatical State Ger 20 New 2-Temphy describes as ODT regulation 1010 Medical Arisana Claric. Objection City

Gas Turbine Output

Assigned Chevrolet With no elaboration, Chayrolet

a report appayment production of Chevrolet's \$3,000th spreadt en-Frature Use-Work was said to be protressing on the new turbine

range, celling." B.20 Modification Set

Madelection of an underclased number of Borner 13-19's will be-

h Surnetice Order-Kelley and that



SUPER BOX-CAR









GIANT VIEWS:



AVIATION NEWS . Aspect 13, 1945



'Atomic' Aircraft Development Seen Far-Off By Industry Heads

Entire aviation field re-assessing propulsion knowledge in light of "bewildering" atomic energy disclosure; consensus, however, points to van difficulty of harnessing force to machinery.

survey William B. Staut, for one,

"Manhattan propert," and the Initial reactions were aken to Aerodynamists, groping for apenergy of the steen, All, however, pointed out that releasing that energy in a bessly, and harmesting

atomic engines, and even the high-

fact, range might be unknoted-



PHOTO EQUIPMENT ON B-29: Arms Air Forces have converted some B-29 Superfortresses to photo

will soon be a limiting factor in

tion of fuels (burning), show very high fuel consumption and a "staggering" waste of energyspokesmen said, is utilized when

4320 BTU per pound is obtained about \$5 bellion HTU per proper "An storric engage, utilities through the splitting of atoms, NACA states, "In viewed as a

pulsion, particularly for superpassed entirely. The racket was

does the error propeller upon reaction, not deriving from earForeign Surplus Priorities Outlined

American non-resist southto-

Behaf Raing-Foreign govern-

Sales Abroad

AVIATION NEWS . Appet 13, 1945

ters following

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Caldrell Branch

Overseas Asscraft Disposal: This is the first chart usuad by the new Air-

no customs, datase or negative tion and reconstruction State levied egunst the U. S., goods expert sales, manufacturing within 30 days of sale, where the set for sale of varybas surcraft self surplus stocies, provision will

be made that distribution does establish these procedure and conexceptions, no surplus purchases can be remported into the U. S. Guns, Plane Parts in the same or relationaries some Guns, Plane Parts According to the Commissioner,

Price Formula-A bread formula been established. Elements of the Dancent of curptus simplement coturned some PBY's lendexpressly for war purposes, such

Bendix Foreign Market devices in military compensati

Churley T. Zeerol, and offices see Army Now 'Cans'

Seed and aluminum containers

suitable for use by cratians, such as trucks, cars, machine tools Martin Role - Marafacture of s the Glenn L. Martin Company,

RCAF Establishes Special Test Unit

no langer he left to a small profes-

Jiba Creeks

12-HEADLINE NEWS

Interior Planes was grapted authorization to

b "Meteor" Tests-To and Turbo

Pollowing the example set by

Massfield was porviously in this country, last suremer, as on ad-

many conversalises with the State

Eighth Air Force, In 1943 he made

craft riegts and traming centers

Ceneral Secree C Keener

British Appoint First Civil Aviation Attache

Varied Uses - The Departwork; reace seeding operacorpenzation in Aliaka where ones in sofety and mine work

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grass, Ltd., Tepasto, Canadian Newest Burnelli Flying Wing Starts Initial Canadian Tests Canadian Cur and Foundry Co., Ltd., latest concern to build

prototype along lines of design previously tried here and in England, begins flight trials at Morereal,

Twin Gun Turret

Periscope Revealed

FQuick Flip-As the gunner re-

wave, recent company of operditions in areas where restricted Now laterest-Development of

b Onick London - The arrange-

The CRY-3 has a meximum

London Linears of 4-76 Developinsh headers on the quently line entising speed of 185-mgh, ourtons payload. Hange is 2,000 miles AVIATION NEWS + Aurust 18, 1945

New Warning Unit Seen Radar Rival

N Y, with a new tee-in to the Frephetic Talk - According to



| Administration of the Fleet<br>Chemics of States<br>(One Fee - Che Poly)               | N to Armeld Exect                                                                         |         |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------|
|                                                                                        | Second Cord A Spoots<br>(Combin MASSAFFee)<br>Leaf Dec Borway M Orles<br>Deputy Commissae |         |
| Faul German Teek Forces<br>Feer Admirel Frederick Streemen<br>Vice Admirel John Towers |                                                                                           |         |
| Fleet Air Bings, sie                                                                   |                                                                                           |         |
|                                                                                        | Eights<br>Air Forge                                                                       | Mr Free |

The U.S. high commond which well carry out the

AVIATION NEWS . August 15, 1945

DEADLINE NEWS -- 15

cole, but collectes seven points PLOW Cost - Dr. Marcel Wallace. wachd be 'not too costly or diffi-

military and commercial siceraft, would substantially reduce the

#### C-W Clutch Plant Expansion Begun

An expensión program including ing facilities and a realignment of top officials is revenied by the L. G. S. Spring Clatch Corp., whally-Hell building and properties in operated by the Allison Division of General Motors. The L. G. S. ment of the purchase of the property was made concurrently with PType Talky-A recapitulation of

The main three-story building conterms 86,000 square feet of floor

14 BEADEINE NEWS

#### FEA Sales To Foreign Purchasers



equire feet available in smaller abroad and have been returned

Swedish Line To Extend B-17 Use FEA his reweals ABA to tee Fortheir consumer, reministry, me

sirline, ABA, may be planning to bonal passenger routes for a To Backlog of Orders As the greatest purchaser and \$10,022 for tune Wright and Fortresses is a step-gap measure pending delivery of surplus or

\$3,002,000, and 18 Lodestows have condition that might prevail at permiss combat planes PPA's peport tabulates 653 sircraft, cost-

ing \$115,812,894, which are located

In the same connection, FEA. compensate and parts worth \$57,-\$58,348.53. Parts of non-combat

#### Martin Adds Millions

arms, grew during the first she Market Drog-Market appeales! \$32,050,973, or 25% nor share, selling at a record 47% in 1940. 18.651.696, in 1940, to \$20,587,-Beyond that, there was set aside

THE FIRST MONOPLANE (IN 1842) was designed with high hopes but little Lift wing fillers (1929), the all metal To FLORET, an alreadure exception two favors of sire Lift that comestressed skin reonophuse (1930). And heliare nelding of ranguesiam (1990) nuarrant. How man files in deter-On the stale of Lift are Northway's have been steen to reduce Bree as to correctable ofference (1941) and the Blaine Pine The first Northron. Field. Has thorne, California hand wornerouse feedlare (1927).

Contary of the Black Widow

AVIATION NEWS . August 13, 1943



Motorless Lightplanes With Prop-Jets

Desirion of the course of the

tions in any potential utility of jet power in highlytens in the speed utility deemed meessivy in such accraft. Many experts have seen no future at all for jet power in lightlytens because they could not cannot the jet fitting being stepped down low causing and still retaining as advastages.

However, even a small project

her, at possis near its persphery, is moving much finite than redramy surplane speed. Furthermore, it is precessed to run the propellar at jet efficiency speed, using vanishle bidse pitch, sent the threetile, to control power catpot.

\*Veptor Parallel—This application of the consistent in reporter.

Y Cupter Parallel—This application of jet population to propeller blades persilelle as some measure clief experiments with jet onretor bindes at his hospites. Walls several designers have been working toward that poal, a model of such a custi has been flown at Ourgan Tech Daiversity.

#### U. S. Air Experts Seck Nazi Secrets

Twenty-day avaition industry representative among mission to uncover German industrial processes.

A large-scale attempt to gather

poorenes.
A large-social extensit is guillare and a large-social extensit in the processor. In contrast, and singular extensit in the war with 2 pears and singular extensity in the war with 2 pears and singular extensity will get, for the purpose of the processor of the process

the denied information objectly has been obtained and a few investigators have returned to this occurry.

Assume the new developments uncovered, it is reported, it is reported, it is a plane with a ceiling several thousand feet obers that of any American

The researchers who are making the survey from an occumunities standpoint are: American Airlines Ion; Otto E. Kirobass, direkte et streedt eggiserfielt, fromstille karrient bleest
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Berth Bereal Comp. Than I Mil-Bells II Averall Comp. Than I Mil-Service Comp. The Comp. The Comparison of the Comp. The Comparison of the Company of Opposed Theremental Co., Villar G.

Opposed Theremental Co., Villar G.

Steady Co., Andre P. Planke, job

and design engineer

Co. Co., Co., William Beath,

Transcentineering & Western Matheart Edward J. Manner, appeara
tion of the Co., Co., Co., Co., Co.,

Total Co., Co., Co., Co., Co., Co.,

Total Co

#### Plan Use of Planes For Broadcasting

intelligence for a sub-speece of effectiveness and TMI radio broadcasting from stratosphere increases of excessing nor mine in the say, or constitute for mine in the say, or constitute for mine in the say, or can be obtained, was reasonated by the Westinghause Electro-Crep and the Given L. Martin Cu., last week in New York. Infrinal flught seets of the system. Drawn as Westinghause Stratosphere, and the supported to be made that the say of the system.

known as Westinghouse Straigura-100, it we expected to be made that fall, it was disclosed by Walter Evans, Westinghouse vice-presidest. He explained at a meeting of cellion and writers at the Waldoct-Astonia that the Stratovinian sys-



KEN-RAD

CATHODE-RAY TUBES

AVIATION NEWS + August 13, 1965 AVIATION NEWS A August 13, 1965

#### C-W Staff Changes Bring New Officers

Irving Bubook now heads Crosley Carp, newly sequired by Avecy other companies assumes changes. In major staff changes in Curture-Wright Carp, the board of directors has elected Gladday R

Cott, treasurer and controller, Cost, has been were-chairman of the Beconstruction Finance Corp. Proc. Adjustment Boord.

He succeeds B. J. Lindquist who has reaspeed to become financial processoriest of the Standard Out.





Colk Brandswiede gotsstan Branch of the Way De-

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rville Wright has telephod Avianbow Kneen a catecoal densal of recent systemer expects that the Wrightship of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the ship of the control of the control of the control of the ship of the control of the control of the control of the ship of the control of the control of the control of the ship of the control of the control of the control of the ship of the control of the control of the control of the control

Named to company to the contraction of the contract of the contraction of the contract of the conbilities represent that the builders represent that the Wright plane would arrive in the constray should figst 13. If a world to the contract of the repeated by the contract the Adultatic is an Arry Consequent of the contract of the contraction of the contrac

The talgettus from the colevation of the surplane, all is Dayon, Ohin, heers, last work, characterized the first of the strategy of the surplane of the strategy of the surplane of the strategy of the surplane of the gating to each, note of it cause times me This story (the seccosit) equally false. According to the According was expressed According to the surplane of the thing the surplane of the surplane of the surplane of the surplane of the thing the surplane of the s

Central and South America: Mr Scatt was farmerly vice-positions of the TACA Company in Contalica and numbers to President Lywell Years. Pletched who has been coordinates and numbers general misager of Steech Alternit.

# theted a vice-president by the board of directors. Ryan Order Cur:

A cut-back by the Nayy in the Fiveledi, Byan Accessived Co.'s of fighter, reported by the manufacture last week, will impound to as 10 percent date in the original program but production will continue on a small setal through

1945 and 1946. Production began entitler that year and has been reasoning a few each month, with the role to be "traighoff through the role to be "traighoff through decision will bevel aff until completion of the present pleagram. As is expected in the case of two companies or compact in jet and turbane week, Navy officially have to operate under compact in jet and turbane week, Navy officially have clothed as beyond V-3 Dey. President T. Claude Paye, it as monaring that about 1256 mere surpleyes "exercising the analysis and the "exercising of analysis and the "exercising of analysis and the "exercising of analysis and the

#### Husky Harpoons Revealed In Action

her has biggers, servinger scalence. Brass, hence, hitze-black Lock-beed PF2-4 reside-purpose homes have been proposed by the proposed by the

White three is a farsily resemblance, the newer model presents several ordable charges in size, performance, whility and firepower.

"Besfed" Up—The evolution of

brought the addition of 135 sparse feet of warg area, improvement of control surfaces by redesign of the empenancy, redesign of the windshoeld for greater vanishity, and rearrangement of senting for greater confort on long missions. Two Prail and Whitner 8-2856

Two Prait and Walney R-2000 two-speed, supercharged engines developing 2,000 horsepower at takend give the Harpson a speed of mace than 200 mph, and centrolists to Rechalty, making the plane excellent as a submarine hanter or loos-level introduce homber. The accordic corries a crew of free.



#### COMMENTARY Jap Air Production Dispersal Revises 'Simple Knockout' Idea

Popular conception of highly concentrated plane factory areas modified by disclosures of early decentralization of facilities: heavy production percentage destroyed but some plants som producing up until last barrle.

evidence that the beauty damaged

dispersed to coughly a dozen been still more widely decen-

It has become necessary to per percent, and yet there is little cuntested in an area no larger than widely scattered groups of Ger. Firstly Signi-It is now believed

casier, and there is no decrying h Nine 180-The War Decertment has recently arrequired that zone pincia as Mrjaubulo, Nagaya, and

Noved Air Daged, Hiro, Thosa cluding the highly effective law

The faster, more heavily armed George is the only other Nevy fighter coming out in questity, Frenks, the 460-mph Army fight-Nakaurna piarria, fed by a rounter of smaller outfits, and 3-year old tacks, knocked off another 25 per- Toru (in-line engine) still has a cent to leave a total between 1,000 good production. By June this figure was up 40 on the way out, and twin-engine to overhapl stations.

Note to been replaced with an Judy, both widely used in suicide have been reduced to three-"recoy" planes to Murt, and Jake

All this totals up to less then half the models in production a war as said the stake-four to a few of the best types is long

#### Navy Plane Towing Fits Post-War Role

possible post-war application During the past few months beknowns's Municipan plant, and the Predity Zern... The only one of corresending afficer of the modi-

me on the slower method of fileveloped arece, have on ecosion, the war in retting crythan planes



engineered fluid power control

make this machine-and mil lines of others perform with such reliability-call for tubing systems based on the principles of Fluid Power

When properly engineered 1. They arreamline the flow of reasyonse to control with minimum system capacity.

They make minimum de--an economy feature. 3. They fit into the available space, even when space is

4. They are planned for easy accombility to all pures-5. They have the smallest number of joints and con-

nections - all leskproof even under high pressure. vibration or abuse T M E

installations for any purpose -ask a Parker engineer for recommendations. The Parket Appliance Co., 17325 Euclid Avc., Cleveland 12, Ohin.

FLUID POWER enviseered

systems-with Parker valves

fittings and fabricated robing

meet these requirements. They

are backed by more than

Power-if you need tubing

If you plan to use Fluid

POWER ENGINEERING

#### PRODUCTION

#### New Resonance Jet Disclosures Show High Commercial Interest

Pasadena engineering company reveals five ounce test model delivering two pounds of thrust with the roar of a 1,500 hp. reciprocazing engine; terrific noise, fuel consumption seen

#### main problems.

With partial lafting of the no. Noise Fight-A step toward noise

"substant"-hes company's trade name for the engine-in an air-Until then, major problems will be to baffle or reduce the engine's

outravarant to appeal to private plane owners Hard at work on credit for the development of the engine A J. Klose and W B Goodman.

termon eneme, we have better On the test stand, the model enrun with a great roor, century a

When the ougine to running



NEW NAVY EVES PRICES This unional view of the Navy's nessest, most powerful, stout-observa-

the Pacific fleet. Indecame of sta head performance is the four-bladed

Auto-Lite For years, one of the world's ELECTRICAL EQUIPMENT FOR AIRCRAFT largest manufacturers of elec-





(b) Direct conduct monindactive reunter berned in madest positive in plan. (2) Deep drawn wicket after (2) Ingenved copper ended center Dishetric strength and experts mechanical properties of "Curendons,"

and procules exaceptaring, Asso-Lite relays son craffishe for both craffigures and intermittent duty nements, achieving estatasting records in vibra-nements achieving estatasting records in vibra-acceleration and abbinds been. Both types are advertisen paints 60 day, F. to 100 day, F.



types. All are equipped with special nea-spill vent pings and assembled as either hard rubber at redis-chiable introduces continues. The heavy dark batter. a capacity of M6 AH at 5 be rate; others have

an standard equipment in strendt engage where were age curried at built as place with rectal grades ar com-duits. Same at its noteworthy features when its a shielded circuit, nor Layer cable life, increased life of spork play electrodes and higher yeak reconducts

THE R. THEFT OF THE BOYS' STARBING DICK BATHES-EVERY TUESDAY HIGHT-NEC HETWOR AVIATION NEWS . August 13, 1945

## "Precision Age"

Seen By Builder Adel instrument company head cood high precision standards see during war. When Japan as wharped, United

mode very possibly will continue

elected president of Adel Precision Preducts Corp. at Burbank, Calif.,

A major part of this company's multary production has been as

Flight Work-Such products call

b Air Meaning-That an indication ship standards required for a procases commodity he replied; come from the surcraft industry is \$"I have no intention of approv-

This observation, coming from



One of the first pictures of the German Flettner helicopter to reach publication in this country, shows the contared retera-true circustr. and accounts buents fing rotors are somewhat mentar to those on the

tion of its liabilities. And, when H. Bay Effinwood, Adel's founderpresident resigned recently. De-\* Sample Proof - Merchandulns tools, and a filling station verse developing a growing consistercial

Adel will continue to morrofacture as a post-war product the there for the post-war mainte-

#### G-E Electronic Timer 'Skills' Aircraft Riverers

Manufacturer of the timer, General Electric Co., describes the

drive a saturactory rivet. When and erinders willing and similar

The other day, at the below The object of a complete for the state of th if it calls for CREATIVE ELECTRICAL ENGINEERING...

ELECTRIC COMPANY DAYTON, OTRO + IN CANADA, LELAND ELECTRIC CANADA, LTD.... GUELPEL ONTARIO

#### Novel Wind Tunnel

Revealed By United Classed to be largest private tox unit is work! new panel has "adjustable" intoke through An "editatable" wind tunnel capable of testing full-scale power

testing chamber, it is possible to turned an unusual versatility. The \$ 695-moh .- With the 3-51, threat,

up to 900-moh With the larger up to 200-moh can be attached. Eases Heat Factor

Shell system labelcasts except chilled compressed sir and 5 per-Although one of the advantages

Wood Bloom III Ishoratory effective yet devised, a new methof spray consisting of \$6 percent

protection. The presy is endaported

One of the money difficulties by a 550 or 1,500 degrees in a resilier of the bubricast has a tenderer to b Rest Buttle-Another quality of convelete protection from right

Huge Fuel Tanks Order

an order for more than \$9,000 unaversal despensible faul tanks, for Army and Newy pircreft, placed General Motors Corp., at Detroit. The completely expendable tanks.

plant testing at the company's East Newest Jet 'Oiler'

of 4,990-hp with propellers 17-ft With a total length of 604-ft



the eight-free threat and the larger diffuser resting on rails. Bight, the



At left are door and soundary of the control recent one perturn of a low-

and Pleatwood oracle M BRODUCTION AVIATION NEWS . August 15, 1945

July Production Despris a reduced schedule. strengt production for July

J. A. Kruz, WPB charmon. power troubles and producgaged in Navy work. The begale-down for July is: > Bornters -- Schoduled, 1,865, \*Transports - Scholuled, 526 Truspers-Schoduled, 100 no-Communication and special purpose - Schoduled, 306; sccepted, 416.

~~~~~~ Technical "Envoys" Present Problem Question of what to do shout

duction, is bothering both manu-Particularly in this category are PLast Recurrenting - The AAF currecting engine Sabbers have collections have sharply currented sections. When these name in many representatives in this country

destion costs. With cutbucks and terrareations, this is no langer por-Possibilities are that an arrangement may be made to keep a reduced force of technical representatives evaluable by separete contract, or that the AAF may slect to terminate the technical ground erew setups to handle the trouble-shooting fermenly done by

LEA Shows the Way cost aluminum plates

THE PLACE ... Pacific Gear Plant Western Gear Warks Vernan, California

Here is a score typical of those in countless plants where finishing asserbians are corried on. A banch, a wheel Lea Compound or Leorok and a skilled workmen deburring, polithing or buffing a piece by a method devised with the help of the Yes, the proper finishing of metals and non-metals calls for

a discount knowledge of the behavior of meterials during the various finishing operations. It calls for the broadest experience in finishing . . . in burning, in polishing, in buffing. It is here that LEA fits into the picture. We have the "greaselaw" and "so free grease" compositions-lots of different recommendations that we have built and are maintoleing our regulation as "Authorities on Finishing



Service, Suffice and Pallables . . . Montfecturers and Spaniellets in the Persisament at Productice Wethods and Compositions

FREIGHT RATES and INDUSTRY LOCATION

A SIGNIFICANT decision, assourced by the Interstate Commerce Commission last May, will take posliminary effect on the 16th of August. It will eliminate some of the advantage in

over shapers of the Boards and West.
The detectors have been confusionalizedly harbed as
The detectors have been confusionalizedly harbed as
special results of the state of the second conserver that Boards and West. It has also been
user that inputes with differences it hashes costs,
or the state of the second control meaure that inputes with differences it hashes, costs,
for the state of the state of American industry.
Cooler supersonal reducts that the not effect of
the detection of the second control of the state
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What The Decision Calls For

contribly contented at the enerty, well required. (I) the eventual vehibilithers of a right feedful taken, or groupers of cosmoditist for ros-couleng persons, for application, throughout the United Batter, (I) a simple region to the transport of white rost of extractive and the property of the control of the country of the property of the control of the property of the control of the first property of the first property of the control of the first property of the first p

higher than the present Eastern scale.

Because it will take some tess, probably several years, to work out a uniform classification as place of the three major classifications now existing, a preliminary adjustment is provided.

Under this adjustment the conting classifications will remain a effect, but the ratio on article moving on class roats will be increased it per cort in Eastern or Official Territory—the seas cast of Like ern or Official Territory—the seas cast of Like Metripus and the Ministrap Rover and north of the Okon Rever On the other hand, the rates will be reduced it per cort on eather northes moving on class

rates as the South and West, and on those resolve

What The Problem Was

At the present trze there are marked differences in the levels of the base earlies of class rates in the free major rate terrotate—Estern or Official, Scott-crew, Western Treat-Larse, Swithwestern, and Moza-tran-Petrille. It is difficult to verrage the levels of wise, best the level of sufficial to verrage the levels of wise, best the level of sufficial to verrating at those as 100, the levels in the other treatment of these as 100, the levels in the other levels of the level of the classes at 100, and 100 are levels in the other levels of the level of the level of the levels of the

swetten, 161; Monraios-Pasini, 168
These are overeall coreparious On many radivisual orders the differences to levels of antes are visual orders the differences to levels of antes are differences in regional distillations solutions. In many tases, the use of exceptions to the classifications and of spaced controller to the architect the expired bisparity in ratio. In last, on norm sufficiency and only appear of the controller of the temporary of the controller of the controller of the polynomial problem. The controller of the Booth and the West have satisfy had knew robe then Official Verwiney. The size disadvantage of

The territorial differences in class-cate levels have coreplicated the prelicins of constructing makes from a point in our territory to a point in another. Oxidy, such a rate tends to represent a blend of the levels in effect at the place of shipment and at the destination. This immediates are addeduction in higher rated territory are likely to see theselocities at a disadvantage when they attempt to sail goods in a disadvantage when they attempt to sail goods in a

there.

Nam, if differences between territorial rate lavels
are removed, the interterritorial freight-eats problars largely disreptions. So it is as important question whether such differences are patted. The
Commission has found that they are not justified
the by differences in temporation costs or by

other valid considerations: From that finding come the order to establish a uniform level of class rates

The Decision And The Map Of Industry
What effect will thus documen have on the location
of influstry in the United States; and what effect will
it have on the economic development of the Eint,

the South, and the West?

Today, many as the West and Secrib believe that
there higher class states have surmonly returned ininstantal development of these zeros, and prometod
the excentration of associationing on Official Secritics, "They pear on that Official Tearthiny has over
your than the secritic of the present employed as nonmarky. By per cent of the present employed as nonstantance in 1944, and secretaried for excelly 72
per cent of the "value added by meanthetics" in 1949. Beauties distinction development in the Section,
and to some activity in the Vision of the Section
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Audier pairt gen inte the argument. Official Territary in rod tyle country's mast helphy asdustrialmed medica, but also in general consumma retrievary. It is the market when merely all meanfacturers down in roads, perfocultivy and reference down in roads, perfocultive and country and constructive and country by producers outside of Official Territory against the consequences of their high rate levels and the loyels of susterioristical man. Under the encountermen it is not always that the Saroh, and the Market and the second country and the second country and the second part and the second country and the second which has a signal for any of country to conference the Wat have any paid for any of conference the conference of the second country of the seco

Those in Official Territory decry that the Bouth and West have been handscapped by the rate adjustment, but at the same time book with apprehension at the loss of their rate adjusts.

What's The Effect?

Bisowers, now that the ECCy value; a shout to be just in agentary, at a time fir the orderful attainments of the debating paried to give vay to a soler agreeated of what the encompanions were fluidy to be. In the first place, it should be made that the prevails of the prevails of the soler. But the first place, it should be made that the prevails of the traffic. Birmines indicate that only about 4 per cent of the full-excluded traffic means on region of the traffic attention. Also that I per cent means on exception many, which are not affected by the prefittinger costs; and should be per cent means on centrodity trains, which were not within the scope of the controlled and the controlled training and the scope of the scope

AVIATION NEWS a Assess 13, 1965

part of it moves on class miss; however, less-thancarload traffic constitutes less than 1% per cent of

ture word 5005 coursed. The personnel rate of the probably affect more traffic than the prolivaneary code since, in the establishment of a minform classification containing water classes than at present provided, many articles more measuring on exceptions mitage are bladly tools have a support to the classification and the same many be true of necessary to the classification, and the same many be true of neces saridest moving on

commonstry roles. But, even if a large peoperation of the traffic were suffected by the Commission's order, or if the principle of equality in rate levels in eventually extend to insuch of the traffic moving on commodity rates, these freightness edgesterness cannot be expected to revokutionize the pattern of industrial location in the United States.

as some evapor, that most tailuties new found in Official Terrolly are located there for after advantages than that of a lower level of freight rates, undertables as such as subsaupe in Company and the control of the

country to develop the instinction for which they have natural obstraints. It should contribute to a sounder registed specialization than we have hereful to the instinction than the household. This decision will notified obstray the contourly of the industrial Bast, nor will it, overnight, assure the substrain flowering of the South and West It constitutes come accurately they formed withflowing that it is should be a substrained on a sound why formed withflowing that they whole it searched to a natura that bears the recycliff life of the United States.

Sweet H.W. haw. fr.

President, McGraw-Hill i

THE Stee OF A SERVICE

PERSONNEL

Charles W. Loos Dead; Was C.W Executive



Loss suped the Ouries Flying

Col. Willem S. McDaffee bus as-Cottles who will go on mactive



company, was Dolor Josed In territate in 1830 gamer and has served as plant man-

Lee J. Cofferty has been uncounted



AIRCRAFT OFFICIALS VIEW P-80 Col. Harold E. Hartney, pergnantical execultant. Don Latinees, executive AMERICAN to the control manager of the Mahanat Arrests Wer Production AVIATION NEWS . Answer 13, 1965.



TAYLORGRAFTPRESIDENT Nuch Rass, take your reportly

Fremer NACA Official Named To Ranger Post Ernest G. Watney, former smal-

ned third engi-Corn. William was with

D. C. Killpoor (photo), has been ap-



D. Franklin Kell, furmerly assacarted with the Chief Assessment His daties will include assisting in cases affecting new routes. Kell was foreserly with EFC, State Depart-

3-RANGE PRESSURE REGULATOR One Size Meets Every Hudraulic Need!

Yeated, process, available more—a sends by deputes premare regulator for 1000, 1500 and 5000 count budendir extern! . Air Associates new, revolutioners BC-2005 Unboder Volve-smaller and lighter than correctional trace-in aboutable while mutilled. You sirrule turn ellering play to desired pressure, even with system in operation! . . . Maretana consistent pressure differential of ten per cent . . retains pressure with no leakage through the valve after out-out. Post arrangemore permits he length; taking to be flat up one plane. Especially suited to sest stand use where pressure requirements vary . With this new resolutor Air Assamates arom demonstrates in alidite to come up with the right corner at the right time to meet avaiting's toughest problems! For detailed information with, wire or phone our search office-

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RUID FLOW.

· AIR ASSOCIATES

FINANCIAL

Sale of 4,000 EAL Shares

h NWA-Alegan Bettern a deperter

Highlights June Stock Shift

Important deallings also reported among siteseif manufacturing, turneture smill Common sinch Immeration littled by TWA in NWA, Fan An, United also experience sitesis subsets Annue the new models term, presing a proximated B. Attented torqueries already as well which the Tarring, Vanematica, but compared a new subsets of Tarring, Vanepullation, but controlled a new subsets of Tarring, Vanepullation, but controlled a new subsets of Tarring, Vanelation, but controlled a new subsets of Tarring, Vanelation, but controlled a new subsets of Tarring, Vanelation, but controlled a new subsets of the Control of Tarring and Tarring and Tarring and Tarring and Tarring and the Research of Tarring and Tarring and Tarring and Tarring and the Research of Tarring and Tarring and Tarring and Tarring and the Research of Tarring and Tarring and Tarring and Tarring and Tarring and the Research of Tarring and Tarring and Tarring and Tarring and Tarring and the Tarring and Tarring an

parted the said of [330] shows of dever-layer 8 Trainer, 8, vine-blacker of 2023 of these at the product of the parted of the pa

N. M. Common Com

FOREGORN — L R Grus penengal stockholder of (man Aurerelt Bagassering sold a total of 8,000 shares common stock during June, ing him 56,300 shares at th of the meeth, Edward W Poor tensurer, reduced his biddings to 12,000 abares through the sale of 1,000 abares. Le A Switchs, executive vice-pressions soid 500 abares arveing han 14,000 abares at the and of the meeth. White M Seek, vicepressions of The Gleen L. Martin Co., soid 300 humes of the commence.

Co., and 180 observe of the contract stock, fewering his balance at 305 shares at the close of the month. Other branches mainface! Sale of 600 shares of Based. Asceral Corps operation shock by Marke II Beech, resident and principal Beech, resident and principal Sale of 500 shares of Bendard Sale of 500 shares of Bendard Aviation Coop centums stock through a trust reported by Pau. II Davis, reducing the beddings of

If Davis, reduzing the heldrings of the trust to Too Davies, more of Son davies of Bendax constraint by the trust of Too Davies, more of Son Davies of Bendax constraint Sale of 1000 davies of common solid of the Wash of Architecture, treasture, received just no district, treasture, received in the Marian of Too hadren of Brewarer Arcassation Corp., reduced no heldring to 60, The shares of common short trough the sale of 1,700 davies in 500; the reported stockness 154 W. E. Heell, are offered of health of W. E. Heell, are offered of health

the control tools in May, privile to the control tools in May, privile to the control to the end of the last of la

Corp. In Furchild Engine be he direct 217,927 shares and three 55.84 Land Corp. 36,100 shar Grumman Salaries

Grunness Astersit Bazzsecting expectation, Bethyage, N. Y., reten payment of \$95,500 and and the payment of \$95,500 and the second of the payment of \$95,500 and the payment of the paym

Anything to say to these top Aviation men?

We'll set up a date for you—any Monday

Here are just a free of desirious Neur's tigonworkly admirishes Then men represent the left, of minishes treasmentes perchasing power They are the lost passers in a set larger transformer, the lost passers of the left passers of the lost heads, olicidate of minery and other geometres, and creditur again, Guinthown of aircreft and passers of the lost of the lost of the lost of the passers of the lost of the lost of the lost of the passers of the lost of the

authoristively, and compactly every Monday receiver.

Well glodly strange a productive interview with relocated most influenced men—through the advertising pages of Adathsa Ness. Jose

name the Nondry.

Mere Beteils Arestehle—Send for your copy of "10,000 Key Nen who shape the course of Aviation." Write Arronnetical Division, McGow-Hill Publishing Co. Lee, 339 West.



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AVIATION NEWS . August 13, 1945

On the Road to the Future!



· As the world swines foto a new and the effective against Japan mouse. ing steedily day by day-we all can feel different from that of neo-was tissue, and one of the most dynamic factors in tostorrow's global organization will be

We, at Heer, with an unsurpassed warthe people of peace time arrange. We exexpansion and opportunity in avission. The airplane, we believe, will be an instrument of prime importance in the de reiopenent of a newworld econocra. With this thought in mind. Fleet today confi deeds looks toward the road to the future!

FLEET aircraft LIMITED

PRIVATE FLYING

Drastic NATA Remodeling Tightens Policy Statements

Board action "fences off" president's nower to take action in association's name without prior board approval: Mooney rerires as acrino executive director: offices shifted; executive committee expanded.

By ALEXANDER MISSISSELY

disclosed soon, Magney, likewise, feetiveness and better representadiscension which has existed withit was apparent that the actions Rescue Turner, of Indianapola from taking any oction in the

continuing Turner in office, because of the difficult transportscomber, because of GDT restric-

membership, but a recent state-

Manney Retires - Retirement of Clarecco H. Meerce as active exeffective between Sept. 1 and Oct.

Leslie H. B. Bowman, Ft. AVIATION NEWS A Assess 13, 1965.

vs motion to obtain a new exerci-

Other important changes an-Matsonal handsporters of NATA

h The NATA Servicer, weekly newmaner, which was to have coner, and two regional president

bit was decided that neither the ters without elearing them first

furector shall have complete It was voted to add those men-

increase its total membership to nine. Added were: Heavard Atlor, Bleemsburg, Pa., Region 1 governor: Jeseph Garride, Boston, Bowman presided at the sensor gendent; Aikor; Arthur Curvey John Y. Burke, Otthwas City son, Des Motres, Region 5 gov-



HARLOW-INTERSTATE DEAL

Contract for the sale of Interestate Assertat and Equipments Corp.'s plans to businfacture vending machines, refrigerator compressors, and avail proofine victors at its El Segundo, Cold. plant.

James C. Johnson, SpringSeld, Mo., key paints to serve nearby gir-Segion 5, and Carl Schirmer, Scolome, Wesh, Region b Josef Office-For the past few fraction office secretly with the

Gliders, Engines Rubber Co. Sales Plan

he sales compagn will include dimlay stands for tires, and other commodities, rages, statumery and In RFC Package

Sale of 300 Taylograft TG-6 two-place rhiders convertible to tued shortly by the Office of Sur-

port. They will include in their



NEW YIEWS OF MIDGET PIPER

Interesting photographs of the Piper Skycycle, one-place experimental



will be sold with the gliders, the engmes available, although BFC expects to obtain a sufficient manber to match the gliders. rines will be from \$150 to \$400. traffers, the latter costing \$75, the sliders and engines: Ft. Worth. Phoenix and Ontario, Calif.

New Field Spacing GuideRecommended

The recommended standards de

local concenties, governmental urals, and private operators who are establishing new fields or anfinant separation from orgier to

sares of the cornect patterns for considered thus; Class L one mile

bit is understood that operations at contact apport legated within establishing the air truffic nattern





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Maximum senge 580 profes Fore of clock 670 few Quereting cests on law! You'll

Stinson The Aircroft Standard of the World

FREE MANUAL Model 19-A (Versiant 70) or new restry ford NC and areal

36-PRIVATE PLYING

landing systems. AVIATION NEWS . August 13, 1945

AVIATION NEWS . August 13, 1945

Flight Instruction Experiments Point New Teaching Techniques

University of Tennessee program expected to have far reach ing effect on civil pilot training here and abroad as experts seek to accelerate courses to about one-sixth present duration.

Experiments being conducted the experimental training has been by the University of Tennessee analysed. have a far-reaching effect on es-

h Sindy Siste ... To date 20 stre at Knewville, Teon. All students The stadents are paired off First findings of the matricle are nearly as possible as to optifude, to be reported thus fell after data age, sex and proficiency. Then on more than 100 students taking one group, the "control" students,



staff of five are assigned to the motute, in addition to the Um-

ods, while the experimental group

vices record landings, showing stratents and pilots, which have tille basis for priet treamer. Early or Army and Navy polete proved State Bongr-Transmir was se-



A new argort foeling-tesiter unit developed by Esso (Standard Oil

at Arthur C. Nyfe's Contressonal Asyport, purt extends Washington, traffer, and assembly line production is ploused at the end of the em-





... THROUGH KELITE pH CONTROL decrees and processing in the occasion industry.

Comparison pegres Kelife A. C. Strapper works tested The obove test ran by a disinterested second change clearly shows the difference in residu gained by Kelte A. C. Sarguer and a consettive thipper with a reputation well

Kebbs A. C. Stopper penetretes and loosess the same into with essel speed and safety. A. C. Striager is used streight or room temperconser or imperior. It is safe on planfrom. passenge and ferrous metals. This is another in the sure-enting line of specialcontrol shemicals manufactured by Kelite for has roised the standards of efficiency in clean-DESTRATES BALLETIN

for breat information on Kelite anadyds and the



38-PRIVATE FLYING

AVIATION NEWS . Avenue 13 1905

AVIATION NEWS . August 15, 1945

of the active Tennessee Bureau of including the 0 cent systion may be taught to fly safely in nine months Army and Navy Dr. Walker is emphasining the

primary impertance of safety in civilian firtur, throughout the Air Forest Patrol

New Income Field Georgia experiment Indicases log-leafly on to local processors mental fre observation flights

other adventages have been shown. middle Georgia area on a 169-It enables a check on the work provincials to hear each are high Value - Average distance

The tests are being flown in a South may that the test indicutes a close matrix on cost. Two-way communication would counting the pilot's time, Under be advantageous, pilots record, 3 Safety Spred-Charles M. Everatt. district torester at Macon. Ga.

price can be kept reasonably low.

Pirst Property Hit After mearly eaths years of

The "Jeep" as Engineering call the plane, made her maiden fight Oct. L 1997, and few years as print after reloi it into a son- Bat, instead, Finigrae Engine - The Jeep's

Gets Two Hangars Lescombe Airplane Corp. mazuoperations center near Dellas. other suitable engine was work of completing interior construction of shap and office areas

> tena-place Tuncageha Silvates are being fabricated at a rate to insure adequate servicing of planes War production work is con-

Luscombe 'Center'

belond production of other per-

Tenn. Air Commission Appointments Announced

nessee Aeronauties Commission, eastern Tenpence, while Robert

Gasoline Combustion Heater Slated For Lightplane Usage

Janitrol installation of new, small, 15,000 BTU unit in one cabin plane already approved by CAA; low cost post-war peoduction expected to provide personal craft with warmth of larger warplanes.

New comfort in post-war pri- is forced by the forward motion vate plumes is in the offing with arplane heater by Surface Corn- heat bustion Corp., Toledo, Ohio. One Figur Sent Outlet -- The heated are place VKS-IF bulgars, already has 000 BYU, which are used on each Charles Meffitt, Wace service manager, reporting on tests with the Waco cettin plane equipped with the 15,660 DTU model, seed

low zero, while management re-

The farme continues to whirl

AVIATION NEWS & Assess 18 1945

air blower to terrelate fresh air h Way Everinges. The morafac-

from an opening under the rear

tween the combustion chamber and the outer locket to absorb the



15,500 Bus Jamerel occubation heater in a Wato five-passenger VKScentrals, Below, Cuturesy drawing of honor shows: I, vestilating an



percented that the experiment shows that average time between 40 - DIVATE BUYING

returned military fivers, who become private plane owners, since

The combustion brater, also it is Under all conditions of specution

ing all passing around the chamber, so as to climinate any donper from exhaust games, the manu-

"Flying Farmers" List Lightplane Uses Mare then 100 tentalmen

ras, Nebrasios, Issue and Ohioleauna, to Stillweter, Okle., for the recent two-day senses of the Okishorm Plying Farmers at new models of Piper, Ascoros, Giste, and Fuck planes which ot the cellege compus and discussed agricultural uses of light-

FThreshing Business-Gene Mc-Oill of Ahra, Olde, said he used had arred a large equation of trip to Xareau Crty to abtain a on service; in time to best a

A rurst letter currier reported emergency to drop important most reach them because of seen or

Finning Planes - Other speak ers recontinended planes for plannum contour farming to prevent 42 -- PRIVATE PLYING

Briefing For Private Elpers and Non-Schuduled Artistion

proxistely \$2,850. The company, owned by Western Unsen College of form. The eleme built to enemications of the original Statuter, will

SOUTHEASTERN FIRE-Seventeen planes were destroyed in a recool hange fire at Southenstern Air Service's Atlanta, Ga. countered airport base, courier total demand estimated at \$96,000, largely covered by insucance. Came was attributed to static electricity resulting from a time-up of a radio transmitter in a twin-engine Couna, just being converted for civilian use. A spark jumped from the plane to the wing of another alongside, the warg blazed and flames leaped from plane to plane. Eacht of the planes destroyed were coved by Southeastern including one Tradegraft, and Piner "Cah." two Posterfields, two Stinson "Reliants," a Cousse, and Southeastern's "Ecouse" decrementrator. Other planes had included three "Aeronous," a Bellanes "Cruicair," a Waso, a Taylorcraft, a Menocoups, and a Lubter-Kouff-

man sollplane. Service was restored almost assureduately with planes a Returnal exhibition tour so poor as the plane receives its NC. Plane TWO OR FOUR-Al Mosney, Cuberr chief engineer, reported at a

brrught in from other Southeastern bases.

recent CAB bearing that his reconsury had a plong dealers which could botton or could emalify for accupatic flight on a two-space place Whether this is the model which Culver has guesamed it expects to Three first within the most few weeks" was not disclosed. The coreon "absolutely now" algritude. The company has had postably as much above production experience, during the way, as any other Rebisland manufacturer, resking radio-controlled target planes comparable in size to its ren-war Cubur "Cudet," for the Army and Navy, Incl. dentally, too, Culver says its past-war plane will be rorsey enough so pilot with a pre-war "Codet," so that he could get into the eachpit.

Eventually, the propert calls for tennis courts, bowling alleys, bothing and haster, harceback riding and, pertups, a gulf course. Week involved clearing off trees, burning krush and limbs, grubbing put roots of small trees, leveling, seeding, fertilizing. But the frished sorrorie

CAP PLANE RENTALS-Of 6,799 hours of flying by pilets of the First Cellifornia CAP Group in the 12 months and tor May 26, 52.5 percent, or 5.255 hours were flown in planes cented from alrestell survive angulary. At a representing \$7 on hour, less than the rates mobilished hy many of these operators, this totals \$44,016 spent by pilets of the

First Group.

TRANSPORT

Added Redeployment Contracts Anticipated By Airline Officials

Use of lines other than four transcontinentals and Pan Am believed awaiting only overcoming of East-West borrleneck; Boston and Norfolk said to be among newly designated air troop movement capters.

By MERLIN MICKEL

Informed persons in the air and west courts. Northwest with transport industry last week new Ben Francisco, TWA to Lee Anentailing provement of 25,000 sol-

Assertes. Effects are being made ark, N. J. There appears new to he same likelihood that redecler-

one. These have been and are be-

AVIATION NEWS a Appear 13, 1965

the hir problem now. Alterether, the five lines are planning 22

comprising the newly named seeded for Great Carde routes Officials, and the positions they

Seese former nickee pilots in the capture; some will be co-pilote which will recent unconfine or operation, which calls for four other problems, the Army con-

coast terminals, and was given

Chicago and Detroit se inland co-

make 1971 relate awardship to the

stricted for the wh. These are to

planes of Sen Bernardine, westing

be cancelled Sept. I, bringing the AEA-AA Officials See III. As a follow-up on American

series the nation connecting its hold with American, are C. B.

Peacetime Mars

Planning Revealed include four possenger-cargo types specialism under 10 cents per mile predicted. been anneanced by Glown L. Mar-

Martin says that of the 87% ton gross takeoff weight of its flying

PBM vs. Typboon Martin PBM Merinery rode can a recent Pacado typhous. ports, simply receing then

~~~~~ 25,150 For of cargo on a 1,500-mile copacity, 5,530 cs, ft.; peopenger language, 393 en. ft. therds power, will carry \$0,531-Passenger day place - passenhe of payland 2,078 males at n de luxe alconer carryent 60 pas- 200 cs. A.; cargo essecuty in wing. Ibu 3.000 railes at \$55-orgh , or sensery and 8,050-the, of cards on 1,850 cs. ft. cargo capacity in 12.882-3bs 4.899 rules at 213-

sengers, 22-63; cargo capacity, 4,-Cargo version--6,699 cu. ft. of Compared with the original built under the Navy JEM provatrol homber, had a 2,973 cu. ft.

average maybonds of 22 846-The, on The new 1216 too Mers has a surpo volume of 4,010 cu. ft., and Navy program ultimately are to b Power Range-The company mys

AVIATION NEWS . August 15, 1945

IRM Accident split her bell and panis, about Lote lest week a salvage into four pecces-wrongs, tal. CHANGE TO

Conservable "Maye" May Look Like This: Cutowey drawing shows mattener commercial Mary reterior or it would look if equipped as a other deductions had been taken CAB SCHEDULE

tion will be larger than those or take more powerful engages Otherwise, they will be stragout that the current JRM series then their four preparet enrices. totaling 9000 hp, can support

CAL Net Nearly Double Despite Mail Rate Cur tension and development, and

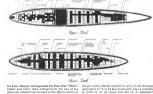
profit for June, 1945, was \$194.

Post-War Mars, Shetland Compared The following table companies data on the post-war commercial Bearing on Studenstiller Vet Exaction der bling befolk in Maryetal's men (Decker in

13 Fresh day in Associate Additional Charleson Charleson Charleson C

Black die for Manufact men

out file transport bearing days to Middle An



cares version carrying 44 passes. Presenter-carco version -- non-

OTA percent mate power at 10,000-dt axitade) AVIATION NEWS & Assess 15, 1965

#### Caribbean-Atlantic Mail Rate Decided

CAB finally places line's postal

of 399-35s of most, with excess Back Pay-For the period Nov 12. 1945, when the line storted

mail service, to June 30, 1944, incluster, a fat rate of 325 cents per sirplane risle will be pust or have poundage The Board's the months from Nov. 1, 1942, to June 26, 1844, was \$12,004, an

the forthcoming year, while only, or \$5.79 cents per revenue Income Beest-The rate fored for

NAL Expansion Ceribbean-Atlantic Airbres

Carribbean-Atlantic will yield an that the sirline was entitled to

23 ATC 'Liners'

Flew Potsdam Trip three pervious Hir Three Conferbleaca in 1963, was followed on

fight between conference presented who didn't make the Atlantic crossing by beel, however, made the crossess

used. Ten of the ATC 54's were C-54E's, from were C-54D's, and the other was the Presidential

New Off-Airways

Altitude Rule Set

first off arrenve new is de-

the four quadrants of the cornconditions, and the resulting PQuadrant Rale -- Under the several over the off-servey solot

matter with all parties concerned will be mointained in a more procby an only from Brussels to Ber- ticable magner if based on magon The approximately 175 of netso headings as shown by the

#### Building Bid Sought For AAL Airliner

Believed first line to submit own destan for manufacturing estimate: 25-40 passenger place

lines have studied the market then bought what they believed blica Pool-More recently, start-4. the lines' engineers have pooled

part Association's Aircraft Reso individual autime virtually has step long has been expected

the comparise concerned of its sonable time" ofter receipt of perpends. American expects the

week by William Littlewood, AA's domestic service where traffic is relatively light and distance be-

It would accommodate from 30 be of cargo, to 20 passengers and Crew would be two fight officers sign for sea-level cabin pressure AVIATION NEWS . August 13, 1945



First pactures of the new British Victory Viking show at on the pround valve engines. Hazonness range in 1,500 miles, economical enoung



and one cubin attendant. Other

weight and performance Genetricatis type, with New Air Economy

Seen By Warner Dr. Edward P. Warner, vicechairman of the Civil Arronau-Constant—Bound to

tics Board, has estimated that \$10.002.000 to \$10,000.000, same-He predicted that such saving reason Dishis Curps Wesse, All is coccupied—10 on ft. enclusive percepter language spoot Curps inclusive field help between Curps tookset Arress through intake 20 to 10 techno. While American's basic deriga does not provide for cable newsamount required in the pist 30

TRANSPORT - ()



ATC at the These Conference: Air Transport Com- others to the Big Three Conference at Potadam are most places that corned President Transan and contraed as then orrived at Gaina Agrant. Serlin 66 ... TRANSPORT AVIATION NEWS + Apress 13, 1965

or nomined out, has been less than lines would result, he added, if Jet propulsion has besught avinturnery total effect," he said, but

Wings wast be thomer and more The sirplane should have a much

facturers have penerally provided Wiffert should be made to effect even small savings of fuel, leaving greater weight for military Airports and their light and reto permit high-speed landings,

Baltimore Rebuilds Asks Terminal Role Repair work on damaged runweeve at Baltemore's pranicipal

of the Baltimore City Aviation From May 13, 1942, until reis transferring its activities to the

in to be recurred by PCA and Meanwhile, the commonon. sected by the wayer and city near traffic be brait between Wash-

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um pressure hydraulic lines for sircraft apolirations - saurance of our integrity in workmanship and management. RESISTOFLEX

RESISTOFLEX CORPORATION, BELLEVILLE 9, M. J.

PIANO BY AIR:

This page, being unloaded at Lea

council, has applied to the Civil Washington, along with Chicago minal brought from Senator Outree Rudcitt. (D -M4.), the

#### -----Airliners Coming

Promocts late last week were that the airlines would within the next two or three In addition, 71 C-117s are

a Cold Tests In the maretime

vides the plane with dump A test welet told Avantore are that eight will go to Pan

DECREES IN CRASSE OF DOORSALDERA Selaw DARIS IN \$73,895 are year. P.MZ. AVIATION NEWS

AVIATION NEWS + August 13, 1945

hibits are to be exchanged before Waile the application is inde-

#### Feederline Group Votes Dual Policy

Feeder Airlines Association

Otto, of Otto Avistion Corp. He tors. Other afferes elected terror Mark Congress-The Association.

survices to smaller educa and Others elected to the amountion's bound now Ray Hylan, Hylan Flying Service; R. E. Mo-Kauthen, Aviotico Enterpress, James G. Ray, Southwest Air-

#### ways Co : E R. Bereggie, Ryan Col. M. M. Frost Named EAL Vice-President

Col. M. M. Front of Tampa, Fla. of Aur Staff; Executive Officer of

AVIATION NEWS + Assur 13, 1945

As a civilian he was vice-prou-

After fronth austremous of TWA

CAB ACTION

To report of topmanes Dominac of F-148, AMATION NEWS

NROBAT )

on STINSON

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45...TRANSPORT

#### Courageous Action For NATA

FIGURE SPECIAL MERCING hast week of the board of CONFERENCE OF Mathematic Association Turnles Association clation, reported fully in the Private Flying Section of this lastie of the sacws, marks an encourage If mambers of the har and executives contame to meet the future as forthrightly and decigively as they did last week, the servers service believe that the helter-okelter element has been extracted from their association's day to day onerstons. The major actions taken are commerciable and worthy of the most thoughtful representatives of the industry, some of whom had been heatant previously to force the issue and direct the assocration's activities into an ordered, considered

Operators in the coming months of readoustment will need a strong NATA, piloted by experfensed officers. One of the first challenges will proposals to be carculated soon, which if adopted unchanged, will seriously limit the scene of char-

mately will be persuaded to make some concersions, their extent will depend almost entirely on the degree to which a verted non-schedulosi avention industry well fight for what it considers ste rights. Operators who feel to recognize that they have a vitally important compargs on their hands are simply unwilling to face facts and to

NATA's leaders have token courageous and recessary action. They must now have the fullest support from operators everywhere to continue an suggressive and constructive program. Otherwise. NATA is deemed as the voice and leader

#### Shortsighted Action By SPB

THE PROPERTY SEPRESSES AND ARE THE PROPERTY OF THE PROPERTY OF

plus surcraft-including transports-will be on an

It is considered animon that arridents in transports sold on this basis can result in lasting damage to the American aircraft industry, and that other nations will capitalize on such incidents to further their own sales in moriset areas which

The industry has a right to expect that every plane will be checked and not in ton condition before delivery to foreign buyers, despite objections by government officials that there are

notions, for example, would eliminate possibility of slip-shed overhouls by personnal not familiar with manufacturers' standards. But re-racelless of play into the hands of our foreign competitors. If it cannot change its polley in this respect it would be far better to seek legislation to force discount

#### ALPA Members and Spare Time

Thereare recognize accurs indicate a tendency by K. africe milets to form charter or nemacheduled operating compaties, purchase single and ness It works out that each palet, on his days off, takes has turn flying charter passengers

The Air Lint Pilots Association has made reach of the fact that its members be restricted to 85 hours of flying a month in peacetime in order to source sirling mints the best health and efficiency fly for profit in their spare time they defeat the objective of the flight time limitation. We suggest that ALPA make a study of this situation and fairness to the scheduled strilines, the strippe pub-



MANY PROPERTY OF ASSESSED AND CUTTOST for Instantial worker in related by James Persons at the Long Morestaring Company, Detroit. Today the products of this great Body Womer plant, one owner ted appropriated in Array dozon, trucks and notes. In programs it is use of the impast pre-

#### As Assert nears defeat, the pro-In this termition, Borg-Women

moles not only complete prodparies have been guided by the basic principle. Design it better, best one receptle. Bore-Worner



Bender transportation, Bore-Peacetive makers of essential operating parts for the automotive, aviotice, marize and form implement industries



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